

Title (en)
Battery Holder

Title (de)
Batteriehalter

Title (fr)
Support de batterie

Publication
EP 0905803 B1 20030226 (EN)

Application
EP 98118495 A 19980930

Priority
JP 26523797 A 19970930

Abstract (en)
[origin: EP0905803A1] An object of the invention is to provide a battery holder which allows a number of battery holders to be arranged under a state where both the ends of batteries (1) are supported by the support members (2) and the support members (2) are laterally arranged, which is advantageous in view of a space, and in which heat generated from sealed-type batteries (1) can be rapidly dissipated to the exterior. In order to attain the object, a battery holder consists of one plate-like support member (2) and another support member (2'). A plurality of battery holes (2a) of a predetermined depth into which sealed portions of a positive or negative side of sealed-type batteries (1) that are clamped at one side by the support member (2) are to be respectively fitted are formed in one face of the support member (2), so that one row of the battery holes (2a) is a row for positive electrodes and another row of the battery holes (2a) is a row for negative electrodes. An electrode hole (2b) is formed in a bottom face of each of the battery holes (2a). A groove (2c) is formed between adjacent paired positive-electrode and negative-electrode holes among the electrode holes (2b) disposed in the bottom faces of the electrode holes (2b) of the rows. The paired positive-electrode and negative-electrode holes are communicated with each other through the groove (2c). Vent holes (2d) are opened at appropriate places among the battery holes (2a). In each of the one and other rows of the other support member (2'), only the battery hole (2a) for a positive electrode or a negative electrode is formed at each of opposite end portions. <IMAGE>

IPC 1-7
H01M 2/10; **H01M 6/44**; **H01M 2/20**

IPC 8 full level
H01M 6/44 (2006.01); **H01M 50/51** (2021.01); **H01M 50/517** (2021.01); **H01M 50/588** (2021.01)

CPC (source: EP US)
H01M 6/44 (2013.01 - EP US); **H01M 10/613** (2015.04 - EP US); **H01M 10/643** (2015.04 - EP US); **H01M 10/6562** (2015.04 - EP US); **H01M 10/6566** (2015.04 - EP US); **H01M 50/213** (2021.01 - EP US); **H01M 50/51** (2021.01 - EP US); **H01M 50/517** (2021.01 - EP US); **H01M 10/6556** (2015.04 - EP US); **H01M 10/6563** (2015.04 - EP US); **H01M 50/588** (2021.01 - EP US); **Y02E 60/10** (2013.01 - EP)

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